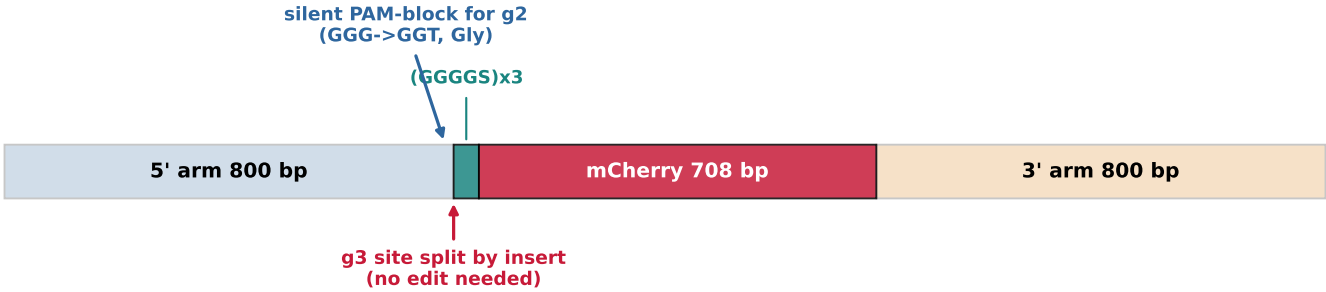
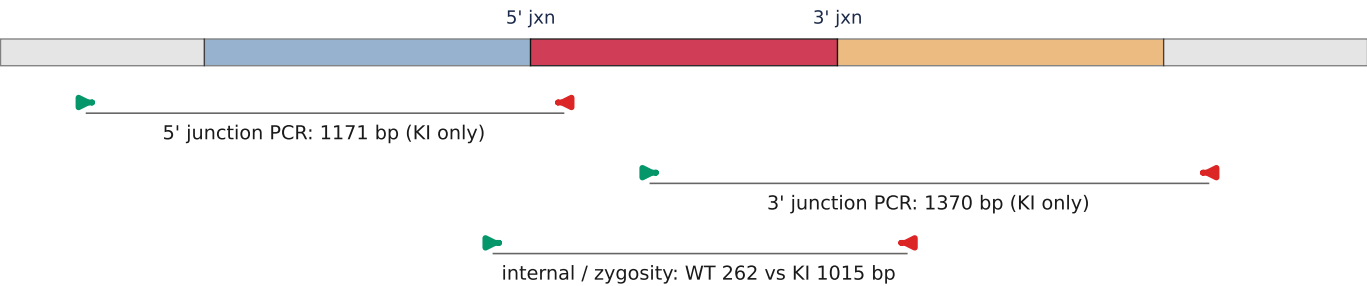


A. HDR donor (2,353 bp dsDNA)



Insert (linker+mCherry): 0 BsaI / 0 BsmBI sites (re-clonable). Homology arms carry 2 BsaI + 1 BsmBI (native genomic).

B. Genotyping & Sanger primers (junctions anchored OUTSIDE the arms)



Green = forward, red = reverse. Junction PCRs give NO product on WT or donor plasmid -> band only on correct genomic integration.